

String operator

1. Upper/Lower operator

make the movie names uppercase and lowercase

```
select name,UPPER(name),LOWER(name) from movies;
```

2. CONCAT operator

i want to write the movie name and directory name.

```
select concat(name,' => ',director) from movies;
```

i want to write the movie name and directory name and also the star name.

```
select concat(name,' => ',director,' => ', star) from movies;
```

3. CONCAT_WS(with separator) operator

```
select concat_ws(' => ', name,director, star) from movies;
```

4. SUBSTRIN(substr) OPERATOR (find a substring from a string)

substr(column name, start index, end index)

Extract first 8 character from movies name

```
select name, substr(name,1,8) from movies;
```

if we dont provide the end value it automatically select last index of string

```
select name, substr(name,4) from movies;
```

we can also put negative value

```
select name, substr(name,-5) from movies;
```

so i want the first value of from last 5 string , so i will get i

```
select name, substr(name,-5,1) from movies;
```

5. REPLACE string operator

```
# replace("string name","substring name that i want change","replace word")
```

change the movie name that has a man in a movie title with women

```
select name,replace(name,('Man'),'women') from movies where name like "%women%";
```

6. reverse operator

find those movies that has a palindrome word

```
select name from movies  
where name = reverse(name);
```

7. Length vs char_length

there is diff length return string in bytes and char_length

return length of a string in character for example if 4 character word has a one special character the length will return 5

and char length will return 4

```
select name , length(name),char_length(name) from movies;
```

8. insert(str,position,len,newstr)

```
select insert("hello world",7,0,"bye "); #-- hello bye world
```

```
select insert("hello world",7,5,"bye"); # -- hello bye
```

9. LEFT and RIGHT are same as substr

```
select name,left(name,3), right(name,5) from movies;
```

10. Trim and rtrim

```
select trim("   shanto   "); # shanto
```

```
select trim(BOTH "." from ".....shanto....."); # shanto
```

```
select trim(LEADING "." from ".....shanto....."); # shanto.....
```

```
select trim(TRAILING "." from ".....shanto....."); # .....shanto
```

11. substring_index work like python split function

```
select substring_index("www.campusx.in",".",1);
```

12. strcmp string comparison

```
select strcmp("Delhi","Mumbai") ;# -1  
select strcmp("Mumbai","Delhi"); # 1  
select strcmp("DELHI","Delhi"); # 0
```

13. locate operator

```
select locate("w","Hello world"); # 7
```

